



Coaxial Cable | RG6/RG6U

Description

Likely the most familiar RG “Radio Guide” grade coaxial cable is RG6 or RG6/U (U stands for Utility). It is the ideal choice for home and commercial applications for carrying audio/video transmission such as TV or CCTV. RG6 cables are versatile and very flexible and the thinner construction is also more cost effective than many other alternatives. RG6 is good for most applications although for more rigorous, high end frequency or long distance connections there may be a loss of signal quality. RG11 cables are better for long runs and higher frequencies but are more rigid (difficult to use around bends) and ultimately more expensive. RG6 cables have characteristic 18 awg conductor and 75 Ohm impedance, but come in various construction designs.

Construction

Inner Conductor: 18 Awg Solid Bare Copper

Dielectric: Foam Polyethylene (PE)

Shield: Various available constructions with Foil, Mylar and different levels of Bare or Tinned Copper or Aluminum Braid - See below

Jacket: Polyvinyl Chloride (PVC); PVC [non-contaminating Type II per Mil-C-17]

Temperature Rating

-40°C to +85°C

Application

Residential or Commercial use. Versatile uses such as television transmission signal & secure communications.

Approvals

CSA FT1/FT4

UL 1685 (UL1581 Vertical Tray) Flame test

UL 444, UL 13

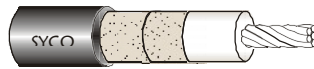
Mil-C-17/ Mil-DTL-17

Voltage Rating

300 Volts

RG6/U Foil Shield & 4 drains

Sycor Part Number	RG/U	Conductor	Insulation	Shield/Coverage	Jacket/Dia.	Nom. Imped.	Vel. %	Nom. Cap. pF/Ft.
M1A06F	6/U	18 AWG, Solid, BC	Foam PE	AL/Mylar Foil & 4 x 28 AWG Drains TCW	PVC .242"	75	78	17.3



RG6/U, Foil & Braid Shield

Sycor Part Number	RG/U	Conductor	Insulation	Shield/Coverage	Jacket/Dia.	Nom. Imped.	Vel. %	Nom. Cap. pF/Ft.
M1A06FB	6/U	18 AWG, Solid, BC	Foam PE	AL/Mylar Foil 100%, TC Braid 61%	PVC .270"	75	78	17.3



RG6/U, Foil & Aluminum Braid Shield

Sycor Part Number	RG/U	Conductor	Insulation	Shield/Coverage	Jacket/Dia.	Nom. Imped.	Vel. %	Nom. Cap. pF/Ft.
M1A06FAB	6/U	18 AWG, Solid, BCW	Foam PE	AL/Mylar Foil 100%, AL Braid 40%	PVC .270"	75	78	17.3

Value Added Services

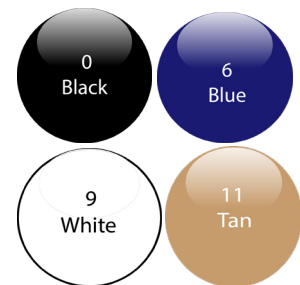


Cutting

Striping

Re-Spooling

Color Codes



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